

6
TWELFTH EDITION.

APRIL, 1860.

DESCRIPTIVE CATALOGUE
OF
PHOTOGRAPHIC APPARATUS & CHEMICAL
PREPARATIONS,

MANUFACTURED AND SOLD BY

FREDERICK J. COX,

Optician, &c.

22, SKINNER STREET, SNOW HILL, LONDON, E.C.

ESTABLISHED 130 YEARS.

All Orders from the Country or abroad to be accompanied by a remittance in cash, or Order for payment in London. Post Office Orders to be made payable to Frederick Cox, at the General Post Office.

COMPLETE SETS OF APPARATUS.

No. 1. Set of Apparatus for the collodion process, for taking views $4\frac{1}{4} \times 3\frac{1}{4}$ inches, including a camera with achromatic lens in brass tube, focussing glass, and a slide to hold the prepared plates, camera stand, gutta percha bath and dipper, glass plates in box, iodized collodion, nitrate of silver bath, developing solution, fixing solution, varnish, and book of instructions, packed in box £2 2 0

No. 2. Apparatus for the collodion process, including an expanding camera with double achromatic lens to take portraits $4\frac{1}{4} \times 3\frac{1}{4}$ inches, tripod stand, gutta percha bath and dipper, plate box and plates, glass measure, glass funnel, box of scales and weights. collodion, nitrate of silver bath, developing solution, fixing solution, and varnish, in glass stoppered bottles, litmus paper, and book of instructions, packed in a strong box £3 3 0

No. 3. Apparatus and Chemicals same as No. 2, but adapted for pictures up to $6\frac{1}{2} \times 4\frac{1}{4}$ inches... .. £5 5 0

No. 4. SUPERIOR polished Camera for the collodion process, with double achromatic lens *of the best quality*, arranged for both views as well as portraits; capable of producing portraits up to $4\frac{1}{4} \times 3\frac{1}{4}$ inches, and views up to 5×4 inches, including tripod stand, gutta percha bath and dipper, plate box, glass measure, funnel, printing frame, albumenized paper, porcelain pan, extra iodized collodion, nitrate of silver, proto-sulphate of iron, cyanide of potassium, glacial acetic acid,

SECTION III.

nitric acid, pyro-gallic acid, hypo-sulphite of soda, gold solution, and amber varnish, glass plates, scales and weights with glass pans, all of the best quality, complete in case with separate divisions for bottles, and lock and key £5 5 0

No. 5. PORTABLE SET OF APPARATUS SUITABLE FOR TOURISTS, taking landscapes up to 7×6 inches, consisting of a polished mahogany folding camera fitted with guaranteed lens in brass mounting, with stops, &c.; the camera made with double action, sliding front, dark slide and focussing screen, tripod stand, gutta percha bath and dipper, plate box and plates, porcelain pans, glass measure, funnel, printing frame, scales and weights, prepared paper, and all the necessary chemicals, packed in case complete £9 9 0

No. 6. APPARATUS the same as No. 4, but adapted to take portraits up to $6\frac{1}{2} \times 4\frac{1}{2}$ inches, and views up to 7×6 inches, consisting of a double achromatic lens of the *best quality* arranged for both portraits and landscapes, with a mahogany expanding camera, dark slide and focussing screen, tripod stand, printing frame, bath and dipper, two plate boxes and twenty-four plates, two glass measures, two funnels, glass rod, set of scales and weights with glass pans, packet of albumenized paper, two porcelain pans, and all the necessary chemicals, including iodized collodion, nitrate of silver, pyro-gallic acid, acetic acid, &c., &c. £9 9 0

No. 7. PORTABLE APPARATUS, arranged for taking views up to 10×8 inches, fitted with *guaranteed* lens, mounted in brass tubes, with rack-work adjustments, dark slide, sliding fronts to camera, tripod stand, bath and dipper, plate box and plates, large and small measures, funnels, porcelain pans, scales with glass pans, and weights up to 1 oz., prepared paper and chemicals, including collodion, nitrate of silver, iodide of potassium, pyrogallic acid, chloride of gold, varnish, filtering paper, and every requisite for the whole process £18 18 0

No. 8. APPARATUS the same as No. 4, but arranged for portraits or views up to $8\frac{1}{2} \times 6\frac{1}{2}$ inches, with *guaranteed* lens, in brass rack-work mounting, mahogany expanding camera, tripod stand, printing frame, scales and weights, &c., and all necessary chemicals for the positive and negative Collodion process, packed in a strong case £18 18 0

No. 9. A COMPLETE SET OF APPARATUS adapted for taking portraits by the collodion process, up to $8\frac{1}{2} \times 6\frac{1}{2}$ inches, and views by the collodion or waxed paper process, 9×7 inches, with best mahogany expanding camera, dark slide for collodion pictures, and four frames for holding the plates, dark slide for views on paper, and focussing screen, with a double combination achromatic lens of the *best quality*, mounted in brass with rack-work, to adapt for both views as well as portraiture. Camera stand, dipping bath, printing frame, porcelain washing pans, scales and weights, glass measures, funnels, glass plates, rods, and a full supply of waxed and iodized, albumenized, salted, and filtering papers, nitrate of silver, iodide of potassium, gallic acid, pyrogallic acid, iodized collodion, hypo-sulphite of soda, glacial acetic acid, amber varnish, &c., the apparatus packed in a strong case, with lock and key, the chemicals in a separate cabinet £25 0 0

F. J. Cox recommends the sets, Nos. 4, 5, 6, 7, 8, and 9, as being of the very best quality, and with them (if required) a picture taken by the Instrument will be sent. They are packed in cases with compartments for the bottles. &c. See engravings on the cover.

STEREOSCOPIC SETS.

No. 1. SET OF APPARATUS for taking stereoscopic pictures, consisting of a walnut camera, mounted on table with beech screw, double combination achromatic

lens, tripod stand, bath and dipper, plate box and plates, glass measure, funnel, scales and weights, collodion, nitrate of silver bath, developing solution, fixing solution and varnish, in glass stoppered bottles, litmus test paper, and book of instructions, the whole packed in box £4 0 0

No. 2. SUPERIOR French polished mahogany camera fitted with a *best* double combination achromatic lens, made with stop and adapter, for landscapes as well as portraiture, mounted on a mahogany table with parallel lath, as *fig. 10*, capable of taking both stereoscopic pictures, and ordinary portraits up to $4\frac{1}{2} \times 3\frac{1}{2}$ inches, and views 5×4 inches, with a mahogany tripod stand, gutta percha bath and dipper, plate box and plates, positive and negative collodion, nitrate of silver, chloride of gold, and all the necessary apparatus and chemicals, warranted of the best quality, with a book of instructions, the whole packed in case, with separate divisions for bottles, &c. £7 7 0

No. 3. MODEL TOURIST'S stereoscopic camera for the dry process, *fig. 12*, with six dark slides, landscape lens, stand, focussing screen, plate box and plates, chemicals for the albumenized collodion process, and for printing on paper, including a pressure frame, scales and weights, glass measures, pans, &c., &c. £9 9 0

Full practical instructions given to purchasers of complete sets; or if residing in the country or abroad, any further information than what is contained in the "*Compendium of Photography*," will be sent by letter.

ACHROMATIC LENSES FOR PHOTOGRAPHY.

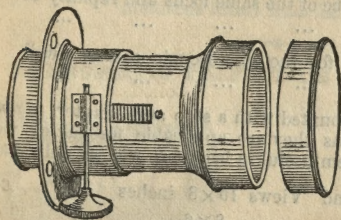


Fig. 1.

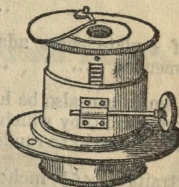


Fig. 2.

The lenses chiefly used for Photographic purposes are the *meniscus*, the *single achromatic*, the *double achromatic*, and the *achromatic triplet*.

For PORTRAITS, or all objects that are likely to move, the *double achromatic* must be used; they are more rapid in their action, and consequently a shorter time of exposure of the sensitive plate or paper in the camera will be required.

For LANDSCAPES the *single achromatic* is best; they are always to be used with a small stop or diaphragm to contract the rays of light; the smaller size is for use in the bright sunshine, or when the points of the landscape are at a very considerable distance from each other. In all cases where the time of exposure is not an object, such as copying pictures, maps, &c., they are preferable to the *double achromatic*. The *meniscus* lens is now but seldom used, it is only useful for still life, and will require an allowance to be made after the focus has been obtained, as the chemical and visual foci of these lenses do not coincide.

For architectural purposes, or copying maps or drawings, the *triplet* is a very great improvement over the *single achromatic*, the difference is especially seen

in copying, as the whole of the map or drawing up to the most extreme edge is in perfect focus; they require the time of exposure to be increased to about double that of the single achromatic.

SUTTON'S PANORAMIC LENS is especially designed to cover a much more extended field than the ordinary view or portrait lens, taking an angle of 120° perfectly sharp along the whole horizontal line.

PORTRAIT COMBINATIONS

OF OUR OWN MANUFACTURE.

DOUBLE ACHROMATIC LENS consisting of a combination of four glasses to secure perfect achromatism and coincidence of the rays; in brass rackwork mountings of the best quality (MAKER'S NAME ENGRAVED) *fig. 1.*

For Portraits 10×8 inches, with lenses 4 inches diameter, very quick,	£	s.	d.
and giving extreme clear pictures up to the edges	21	0	0
For Portraits $8\frac{1}{2} \times 6\frac{1}{2}$ inches*	9	0	0
„ $6\frac{1}{2} \times 4\frac{1}{2}$ „ *	4	0	0
„ $4\frac{1}{2} \times 3\frac{1}{2}$ „ *	1	18	0
„ $3\frac{1}{2} \times 2\frac{1}{2}$ „ *	1	10	0
„ for Locketts, &c.	1	5	0

A pair of small lenses suited for the Stereoscopic Camera, *fig 11*, both of which can be guaranteed to be of the same focus and rapidity of action 3 10 0

A pair of $\frac{1}{4}$ -plate lenses adapted for the stereoscopic camera, well recommended 4 4 0

These lenses can also be had mounted with a stop and adapter, to reverse the front combination, by which means they are applicable for taking views, &c. There are stops sent to render them useful in bright as well as dull weather.

For Portraits $8\frac{1}{2} \times 6\frac{1}{2}$ inches, and Views 10×8 inches ...	£10	10	0
„ $6\frac{1}{2} \times 4\frac{1}{2}$ „ „ 8×6 „ ...	4	10	0
„ $4\frac{1}{2} \times 3\frac{1}{2}$ „ „ 5×4 „ ...	2	2	0

SECOND QUALITY.

Portrait combinations of good average quality, the chemical and visual focus being corrected, with rackwork adjustments. £ s. d.

For Portraits up to $8\frac{1}{2} \times 6\frac{1}{2}$ inches	6	6	0
Ditto $6\frac{1}{2} \times 4\frac{1}{2}$ „	2	15	0
Ditto $4\frac{1}{2} \times 3\frac{1}{2}$ „	1	5	0

Even cheaper can be had, but F. J. C. will not hold himself answerable for their action. Whole size, £5 5s.; half size, £2 2s.; quarter size, 15s.

* These four lenses can be had with Waterhouse's shifting diaphragm, between the combinations for groups, or where depth of focus is especially desired, the additional cost will be 20s., 17s. 6d., 15s., 13s. 6d., respectively.

LANDSCAPE LENSES.

CONSISTING OF AN ACHROMATIC COMBINATION IN BRASS MOUNTINGS,
WITH STOPS FOR REGULATING THE LIGHT, *fig 2.*

			With rackwork adjustments.			In plain sliding tubes.		
			£	s.	d.	£	s.	d.
1 3/8	inches diameter, for stereoscopic pictures	.....	1	1	0	0	15	0
1 1/4	" for pictures 5 × 4 inches	.....	1	10	0	1	0	0
2 1/4	" ditto 8 × 6	" 	2	10	0	2	0	0
3	" ditto 10 × 8	" 	4	10	0	3	15	0
3	" ditto 12 × 10	" 	7	10	0	6	15	0
4	" ditto 15 × 12	" 	10	10	0	9	10	0
5	" ditto 18 × 16	" 	16	16	0			

A pair of twin lenses, 5 1/4-inch focus, in brass sliding tubes, for the stereoscopic camera, *fig. 11* 1 11 6

Ditto, with rack and pinion adjustments 2 5 0

A pair of 5 1/4-inch focus lenses will be found the most generally useful, but there are occasions when it is impossible to get sufficient distance from the object to include the whole subject on the stereoscopic plate, in which case a pair of short focus (4-inch) will effect the purpose; they can be had mounted in cells to screw into either the above mountings, packed into a neat leather case, at an additional cost of 25/.

The foregoing lenses are confidently recommended as the best that can be produced, possessing the greatest rapidity of action, and giving a clear and sharp definition. The visual and chemical focus is also warranted to coincide.

Achromatic lenses unmounted, from 5s. to £3 each.

Meniscus lenses from 2s. to 10s. each.

ACHROMATIC TRIPLET OR COPYING LENSES.

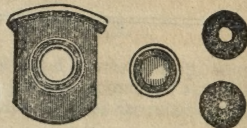
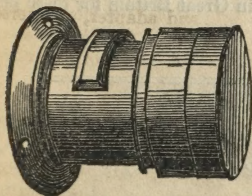


Fig. 3.

This combination of lenses is the most suitable for copying maps or pictures of any description, also for architectural purposes; the field is perfectly flat to the extreme edges, and there is not the slightest distortion even in the marginal lines; the time of exposure required is about double that of the usual single achromatic lens.

It is mounted in a strong brass tube, with diaphragms between the lenses, and constructed so as to enable the operator to remove or alter the stop without unscrewing the glasses, *fig 3.*

						£.	s.	d.
No. 1	for pictures up to 5 × 4 inches	...	...	...	..	2	10	0
" 2	" 8 × 6	" ...	...	...	..	4	10	0
" 3	" 10 × 8	" ...	...	...	...	7	0	0

BY
ROYAL LETTERS
PATENT



IN
GREAT BRITAIN,
FRANCE,
AND BELGIUM.

SUTTON'S PANORAMIC LENS.

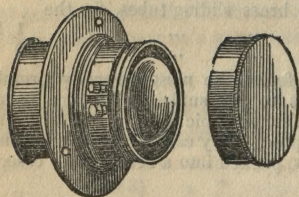


Fig. 4.

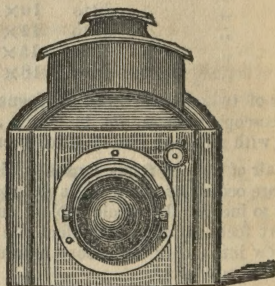


Fig. 5.

This lens is for the purpose of taking panoramic pictures, including an angle of 120° , without any moveable apparatus within the camera. *Fig. 4* represents the lens, and *fig. 5* the camera and lens.

For the full description and prices see special catalogue post free for two stamps.

FREDERICK J. COX is the sole manufacturer in Great Britain for these instruments.

CAMERAS.

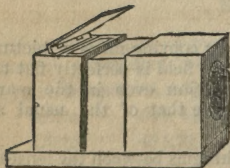


Fig. 6.

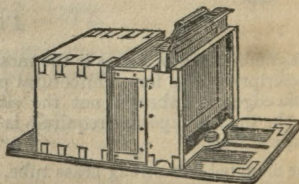


Fig. 7.

EXPANDING CAMERAS, *fig. 6*, are made either vertical or square; the latter shape is for the purpose of taking the collodion plate either in a horizontal or vertical direction, for groups, &c.

WALNUT WOOD CAMERAS.

For pictures up to	Vertical. one dark slide.			Square. two dark slides.			Square. polished.		
	£.	s.	d.	£.	s.	d.	£.	s.	d.
4½ × 3½ inches	0	10	6	0	15	0	0	19	0
6½ × 4½ „	0	14	6	1	4	6	1	11	6
8½ × 6½ „	1	1	0	1	12	6	2	2	0

POLISHED MAHOGANY CAMERAS.

Made of good seasoned mahogany, French polished, with dark slide, two carriers for plates, and focus screen.

For pictures up to	£.	s.	d.
4½ × 3½ inches	0	14	0
6½ × 4½ „	1	1	0
8½ × 6½ „	2	15	0

These cameras are not made with an expanding body, but are recommended as a good serviceable article for portraiture only.

BEST MADE MAHOGANY CAMERAS.

Of good seasoned mahogany, French polished, with expanding body, one dark slide, two carriers for plates, and focussing screen.

For pictures up to	VERTICAL.			SQUARE.		
	£.	s.	d.	£.	s.	d.
5 × 4 inches	1	3	0	1	15	0
6½ × 4½ „	1	12	6	2	6	0
7 × 6 „	2	0	0	2	12	6
8½ × 6½ „	2	10	0	3	3	0

SPANISH MAHOGANY CAMERAS.

These cameras are of the very best materials and workmanship; they are made with rising fronts for regulating the amount of foreground and sky, without slanting the camera, by which means the perpendicular lines are retained without distortion, *fig. 7.*

The bottom board is made to fold up, and for portability an extra groove is made to carry the focus screen.

For pictures up to	VERTICAL OR HORIZONTAL.			SQUARE.			BRASS BINDING EXTRA.		
	£.	s.	d.	£.	s.	d.	£.	s.	d.
9 × 7 inches	4	4	0	5	5	0	1	4	0
10 × 8 „	5	0	0	6	6	0	1	7	6
11 × 9 „	6	6	0	7	15	0	1	12	6
12 × 10 „	7	7	0	9	0	0	1	15	0
15 × 12 „	9	9	0	11	11	0	2	0	0
18 × 16 „	15	0	0	17	17	0	2	5	0

These prices include one dark slide, three inner carriers for collodion plates, and focus screen; if required for tropical climates brass binding is recommended.

FOLDING CAMERAS**AND SLIDING BODY FOLDING CAMERAS.**

FOLDING MAHOGANY CAMERAS, with double action sliding fronts, one dark slide and two holders for collodion plates and focussing screen.

SLIDING BODY FOLDING CAMERAS, admirably adapted for either portraits or landscapes, made of the best *Spanish mahogany*, French polished, with a vertical and horizontal sliding front, for the better adjustment of foreground and sky, dark frame and holders for collodion plates, focussing glass, complete.

	PLAIN FOLDING.			SLIDING BODY.			BRASS BINDINGS		
	£	s.	d.	£	s.	d.	£	s.	d.
7× 6 inches	3	0	0	4	0	0	5	0	0
9× 7 "	4	0	0	5	5	0	6	10	0
10× 8 "	5	0	0	6	6	0	7	10	0
12×10 "	6	6	0	8	10	0	10	0	0
15×12 "	8	8	0	11	10	0	13	10	0
18×16 "	12	12	0	18	0	0	21	0	0
24×22 "	17	17	0	24	0	0	27	10	0

If required for India or the Tropics, brass-bound cameras are recommended.

SOLID LEATHER SLING CASES with straps for folding cameras.

	£	s.	d.
Best leather sling case to contain the camera and slides for pictures up to 7×6 inches	1	5	0
Ditto, for pictures 9×7 inches	1	12	0
Ditto, for pictures 12×10 inches	2	10	0

Larger sizes to order.

Leather sling cases for lenses only, 10/., 15/., 17/., and ...	1	0	0
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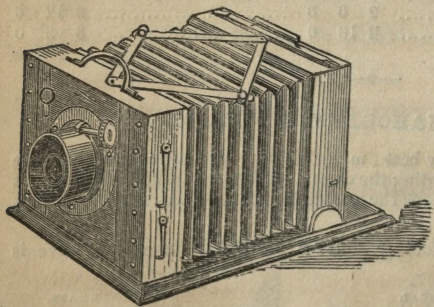
BELLOWS CAMERA.

Fig. 8.

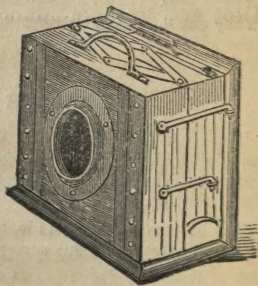


Fig. 9.

BELLOWS CAMERA made of best Spanish mahogany, sliding front, dark slide, focus glass, and two carriers for plates; the camera square to take the picture, either vertical or horizontal, bottom board hinged to fold up when travelling, an extra groove to carry the ground glass, all of the very best workmanship and materials.

	£	s.	d.
For Views up to 9× 7 inches	6	10	0
Ditto 10× 8 "	7	10	0
Ditto 12×10 "	10	0	0

Fig. 8 shows the general form of this camera, which FREDERICK J. Cox particularly recommends. There are a set of rods to insure rigidity and freedom from tremour, when closed, and the bottom board folded as *fig. 9*, it may be put into a leather case if required.

COPYING CAMERAS.

COPYING CAMERAS are of two descriptions: the simplest form is intended for copying pictures, prints, &c., either smaller than the original, same size, or a trifle larger; these are termed simple *copying cameras*. There is also another description styled *enlarging cameras*, made with a double expanding body at each end; they can be used either for reducing or enlarging negatives, or for producing transparent positives, either on ground or opal glass. (for further information see '*Photographic Tourist*.') the lens best adapted for this purpose is the *achromatic triplet*, but the single achromatic may be used.

MAHOGANY COPYING CAMERA, with great length of focus, with focus screen, plate holder and carriers.							£	s.	d.
For pictures 5×4 inches	...	...	...	...	...	...	1	10	0
" 8×6 "	...	...	...	...	...	...	8	0	0
" 10×8 "	...	...	...	...	...	...	4	10	0

ENLARGING CAMERA consisting of a mahogany case, with sliding body at each end; this camera will enlarge a picture $3\frac{1}{4} \times 2\frac{3}{4}$ inches up to 5×4 inches, or reduce in the same proportion; it is also intended, when the lens is placed in the central compartment, for the production of transparent positives; with focus screen, dark slide and carriers for negatives.

Ditto for pictures up to 8×6 inches	...	...	...	...	...	...	3	0	0
" 10×8 "	...	...	...	...	...	...	4	10	0
" 10×8 "	...	...	...	...	...	...	7	10	0

They can be made cheaper of a commoner description, the above are the best of the kind.

STEREOSCOPIC CAMERAS.

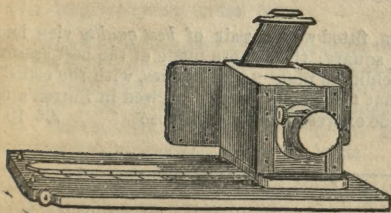


Fig. 10.

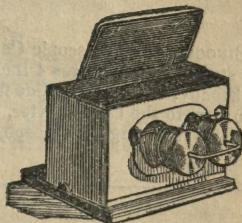


Fig. 11.

Stereoscopic Cameras are made on two principles, *figs. 10* and *11*. The instrument *fig. 10* has only one lens, but the camera is mounted on a lath which

allows it to slide from the right to the left ; the prepared collodion plate is placed in a dark slide, which also has the same movement. By this means one picture of a view is first taken; the camera is then moved to the other end of the bar, and the second picture is obtained.

Fig. 11 represents a twin lens or binocular camera, and when instantaneous pictures are required, or in any case where rapidity of exposure is an important object, it is the correct form of instrument to employ; both the caps of the lenses being removed at the same time, there is no possibility of the subject moving before the second picture is obtained; but the plates will require to be cut in half and reversed, or placed right for left when the pictures are mounted.

PLAIN WALNUT CAMERA, with dark slide for stereoscopic glasses, mounted on beech table, with wood adjusting screw, as described by Latimer Clark, with portrait lens complete £2 15 0

SUPERIOR French polished mahogany Camera, on mahogany table, with parallel bar allowing a motion of 14 inches, or less if required, fitted with a *best quality* achromatic portrait lens of our own manufacture, *fig. 10* .. £5 0 0

*Ditto, with extra dark slide to take ordinary collodion portraits and views, up to 5×4 inches, fitted with a *best quality* lens, mounted with stop and adapter, for views and portraits £5 15 6

*TWIN LENS Camera, with a pair of double achromatic lenses *best quality*, for portraits, the camera made of mahogany, with dark slide and focus glass *fig. 11* £4 10 0

Ditto, with two large aperture portrait lens, with stops, recommended as the very best that can be produced £6 0 0

MAHOGANY Camera, with two single achromatic lenses in brass sliding tubes, for landscapes, &c., £2 15 0

SPANISH MAHOGANY Camera, with double action rising front, which also has a movement to separate the lenses according to the distance of the view, mounted with a pair of very best landscape lenses, as described in 'Photo Notes,' No. 69. £5 5 0

BINOCULAR Stereoscopic Camera, fitted with a pair of *best quality* view lenses for stereoscopic pictures 4 inches square; the camera made of the best seasoned mahogany, with a dark slide for holding a plate $9 \times 4\frac{1}{2}$ inches, with the collodion film next to the back shutter, so that the prints may be viewed in Sutton's new portable reflecting stereoscope, made expressly for the purpose £6 10 0

*A pair of landscape lenses, in brass mountings, to screw into the same flange, can be fitted to either of these cameras at an additional cost of £1 11s. 6d., and a leather sling case to preserve them from injury will be 12s. 6d.

Cox's Model Tourists' Stereoscopic Cameras,

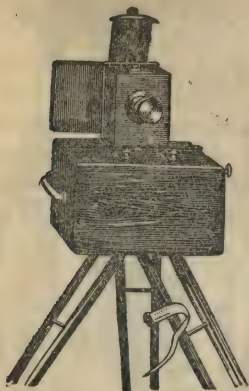


Fig. 12.

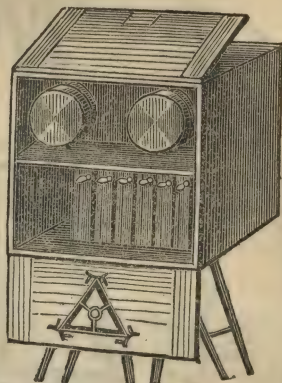


Fig. 13.

Cox's MODEL TOURISTS' Stereoscopic Camera, fig. 12. This camera is constructed on Latimer Clark's principle; it is made with six dark slides to carry prepared plates or paper. The top of the stand packs in the inside of the case, together with the camera, the whole exterior size of which is 11×9 inches. When required for use, the camera is fixed on the outside of the box, and that forms the table, on which the parallel lath is fitted. The camera mounted with *best achromatic lens*, six dark slides, ash stand, and metal triangular top, packed complete £6 10 0

BINOCULAR TOURISTS' Stereoscopic Camera, fig. 13. This is the most simple and portable form of camera yet made; the upper portion of the packing case forms the body of the camera, and the lower compartment contains six dark slides; the top of the tripod stand, as well as the focus glass and spirit level, are included in the fittings.

The price of the camera with a pair of twin lenses, six dark slides, and light but firm stand, the whole of which pack into a mahogany case, 10×8 inches and 9 inches deep, weighing under $7\frac{1}{2}$ lbs. £7 10 0

***TOURISTS' Stereoscopic Camera**, for either the wet or dry collodion process, the camera of mahogany with one dark slide, *best single achromatic lens*, tripod stand, tight top bath, and dipper, bottles for holding the necessary chemicals, tripod stand, and 1 doz. glass plates, the whole apparatus packing in a case similar to fig. 12; the case has divisions inside for the glass plates or finished pictures; price complete, with stand and water bottle £6 6 0

***BINOCULAR Stereoscopic Camera**, for the wet collodion process, similar to fig. 13, but instead of having six dark slides, the bottom of the case is made to carry the bath and a supply of chemicals for a day's use, price complete, with bath, chemical bottles, stand, &c. £7 0 0

* A Tent suitable for these cameras will cost 50/. (see page 15,)

CAMERA STANDS.

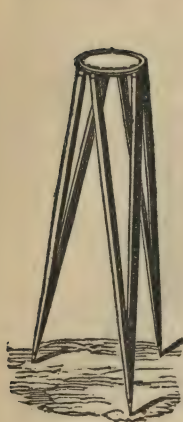


Fig. 14.



Fig. 15.

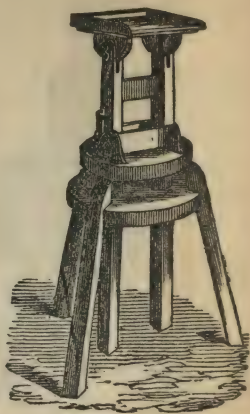


Fig. 16.

TRIPOD Camera stand, with mahogany legs and top, 3 feet 6 inches high, <i>fig. 14</i>	£	s.	d.
Ditto, 4 feet	0	7	6
Ditto, 4 feet 6 inches	0	10	0
Ditto, 4 feet 6 inches	0	13	0
*FIRM ASH STAND, with triangular metal top, and stretchers for legs, forming a firm and portable stand for cameras up to stereoscopic or half size, <i>fig. 15</i>	0	18	0
Ditto, larger size	1	1	0
JOINTED stands for packing, with metal top, very secure and compact	1	11	6
Common tripod stand, with table top	0	6	6
TRIPOD stand, table top, with ball and socket motion, and brass clamp screws	0	9	6
Ditto, for half-plate camera... ..	0	10	6
Ditto, ditto, whole size	0	12	0
Stands for operating room, with rack for elevating and depressing, with table top, in white wood, <i>fig. 16</i>	0	18	6
Ditto, in oak	1	4	0
Ditto, best quality, with curved legs	1	10	0

HEAD RESTS.

To steady the head whilst the portraits are being taken.



Fig. 17.



Fig. 18.

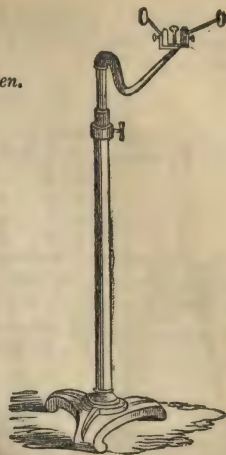


Fig. 19.

Head rests, with screw to fix on back of chair, <i>fig. 17</i> ...	...	0	2	0
Ditto, with universal joints, <i>fig. 18</i>...	...	0	5	0
Head rest, on cast iron foot, with telescopic slide for all heights, <i>fig. 19</i> ...	...	1	1	0
Ditto, with brass rods and universal joint, best quality	...	1	10	0

PLATE BOXES.

	In Walnut for 12 plates.		In Deal for 25 plates.		In Deal for 50 plates.		In Tin for 12 plates.
	s. d.		s. d.		s. d.		s. d.
2½ × 2 inches	1 0	.....	1 3	.....	1 8	.....
3½ × 2½ "	1 2	.....	1 6	.....	2 0	.....
4½ × 3½ "	1 4	.....	1 8	.....	2 3	.....	3 6
5 × 4 "	1 10	.....	2 0	.....	3 6	.....	4 6
6½ × 4½ "	2 3	.....	2 6	.....	3 0	.....	5 6
8½ × 6½ "	3 0	.....	3 6	.....	4 0	.....	8 6
9 × 7 "	5 6	.....	5 0	.....	6 3	.....	9 0
10 × 8 "	6 6	.....	6 3	.....	8 3	.....	12 6
12 × 10 "	8 6	.....	7 3	.....	10 6	.....	15 0
Stereoscopic	2 9	.....	2 4	.....	3 0	.....	4 6
" Deal for 12 plates, 1s. 9d.							

PRESSURE FRAMES.

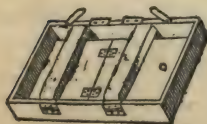


Fig. 20.

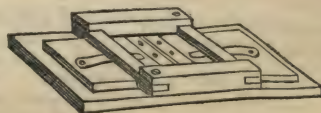


Fig. 21.

PRESSURE FRAMES with jointed backs, for viewing the development of the picture, without disturbing the paper, the cross bars fitted with springs for equal pressure, *fig. 20.*

	Plain Ash.		Best Quality. Polished Mahogany.	
	s.	d.	s.	d.
For Stereoscopic plates	4	0	7	0
Ditto, for plates 6 × 5 inches	4	0	7	0
" 8 × 6 "	6	6	9	0
" 10 × 8 "	7	6	12	6
" 12 × 10 "	12	6	20	0
" 17 × 14 "	18	0	30	0

The 10 × 8 inches and larger sizes, may be had with the bars placed in a longitudinal direction, by this means they are more available for printing from several small negatives at one time, at 1s. each extra.

PRESSURE FRAME, common form, for printing Stereoscopic pictures on paper, *fig. 21*, 2/. each, 18/., per doz.

VIGNETTE GLASSES.

These glasses are intended to produce the Vignette style of printing either on paper or glass positives: they are made of two descriptions, viz., opaque centres and transparent centres; those with a transparent centre are for printing on paper, they are simply to be laid outside the pressure frame. The opaque centre is intended to be laid in the dark slide of the camera after the plate has been exposed, but before it is developed; a momentary exposure to daylight is sufficient to solarize the edges of the plate without interfering with the body of the picture.

Transparent.		Opaque.		Transparent.		Opaque.	
s.	d.	s.	d.	s.	d.	s.	d.
2½ × 2 inches	0 10	1 10	6½ × 4½ inches	2 3	4 0		
3½ × 2½ "	1 2	2 3	8½ × 6½ "	2 6	4 6		
4½ × 3½ "	1 6	2 9	Stereoscopic	2 3			
5 × 4 "	1 10	3 3					

PORCELAIN PANS.

Shallow.		Deep.		Shallow.		Deep.	
s.	d.	s.	d.	s.	d.	s.	d.
6 × 5 inches	0 9	1 0	12 × 9 inches	2 4	3 0		
7 × 3½ "	0 10	1 2	14 × 10 "	4 0	5 6		
8 × 6 "	1 0	1 4	16 × 12 "	5 6	7 0		
10 × 7½ "	1 6	1 9					

GLASS DISHES.

Perfectly smooth and flat, made of good stout glass, with corners rounded to facilitate the cleansing.

							s. d.
For Plates 6½ × 3½ inches (Stereoscopic)	...	...	...	...	...	...	1 6
" 6 × 4½ "	...	...	...	...	...	...	1 9
" 8 × 6 "	...	...	...	...	...	...	2 3
" 9 × 7 "	...	...	...	...	...	...	3 6
" 11 × 9 "	...	...	...	...	...	...	4 6

GUTTA PERCHA TRAYS.

5 × 4 inches (inside measure)	...	...	...	...	...	...	...	...	s.	d.
8½ × 6½ "	...	...	...	...	...	...	...	...	1	2
12½ × 9½ "	...	...	...	...	...	...	...	...	2	3
12½ × 10½ "	...	...	...	...	...	...	...	...	4	6
19½ × 14½ "	...	...	...	...	...	...	...	...	7	0
	...	...	...	...	...	...	...	...	18	0

DIPPING BATHS.



Fig. 22.

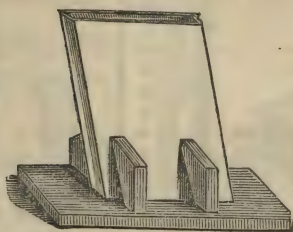


Fig. 23.



Fig. 24.

For Plates.	Gutta Percha Fig. 22.	Glass Bath with mahogany stand. Fig. 23.	Porcelain mahogany stand. Fig. 23.	with Gutta Percha mahogany legs. Fig. 24.	Glass Bath with tight top, tight top in mahogany case.
	s. d.	s. d.	s. d.	s. d.	£. s. d.
4½ × 3½ inches	... 1 6	... 3 0	... 3 6	...	...
5 × 4 "	... 2 6	...	... 4 0	...	...
6½ × 3½ "	... 3 0	... 6 6	... 5 0	... 7 6	... 1 0 0
6½ × 4½ "	... 3 0	... 5 0	... 5 0	... 8 0	... 1 0 0
8½ × 6½ "	... 5 0	... 7 0	... 6 0	... 12 0	... 1 6 0
10 × 8 "	... 8 0	... 14 0	... 10 0	... 15 0	... 1 16 0
12 × 10 "	... 12 0	...	...	... 21 0	...
15 × 12 "	... 18 0	...	...	... 35 0	...

Glass Dippers, to use with the above, 4d. and 6d. each.
 Gutta Percha ditto, 6d., 9d., and 1s. "
 Porcelain ditto, 6d., 9d., and 1s. "

TENTS.

DARK TENT for operating in the open air, consisting of a tripod stand with table, cover lined with yellow calico, well suited for Stereoscopic Cameras, the legs jointed, with pipe to carry away the waste water... .. £2 10 0

Ditto, as described in the "Photographic Tourist," the whole packing into a case 3 feet long by 5 inches square, (weight 16 lbs.,) with pipe to carry away the waste water; the outer case in which the tent packs is so contrived that it forms the operating table and gives a clear space of 3 feet by 18 inches .. £3 10 0

SUTTON'S WHEELBARROW TENT. This is arranged so as to enable the Tourist to convey all his apparatus, &c., without help; it is fitted with a pair of handles and a wheel, is easily taken to pieces, and packs up into a small flat parcel for conveyance by rail, &c. £3 10 0

SCALES, WEIGHTS, MEASURES, &c.

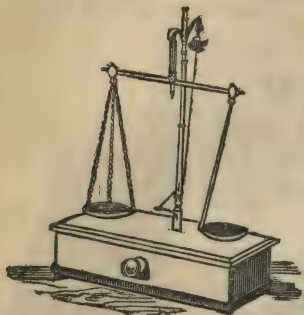


Fig. 25.

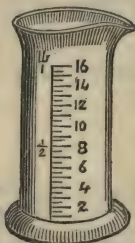


Fig. 26.



Fig. 27.



Fig. 28.

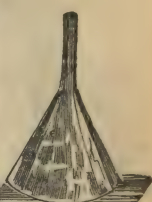


Fig. 29.

SCALES AND WEIGHTS, with glass shifting pans and brass pillar, mounted on mahogany box, with drawer for weights, <i>fig. 25</i> ...	£	s.	d.
1	8	6	
Scales and Weights, with glass pans, in Mahogany box, with weights to 1 oz. troy, grains, &c. ...	0	7	6
Ditto, glass pans, weights to 2 drachms, in oak box ...	0	4	6
Ditto ditto brass pans ...	0	2	6
GLASS MEASURES, <i>fig. 27</i> , 1 oz. 9d., 2 oz. 1s., 4 oz. ...	0	1	4
Cylindrical Measures, <i>fig. 26</i> , $\frac{1}{2}$ pint $\frac{2}{3}$, 1 pint ...	0	3	0
Minim or drop measures ...	0	0	8
GLASS COLLODION BOTTLES, <i>fig. 28</i> , with ground stoppers and lip, 1 oz. $\frac{1}{2}$, ...	2	0	z.
1	1	4	
Ditto, graduated to prevent the trouble of measuring the Collodion when mixing, &c., 1 oz., $\frac{1}{4}$, ...	0	1	10
2	0	z.	
FUNNELS, glass, <i>fig. 29</i> , 2 inch 4d., 3 inch 6d., 4 inch 8d., 6 inch ...	0	1	0
Ditto, gutta percha, 2 inch 4d., 3 inch 6d., 3 $\frac{1}{2}$ inch 8d., 4 $\frac{1}{2}$ inch ...	0	1	0
Funnel Holders or Retort Stands, $\frac{2}{3}$, $\frac{3}{6}$...	0	5	0

PLATE HOLDERS, &c.



Fig. 30.

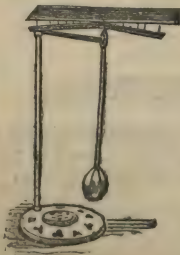


Fig. 31.

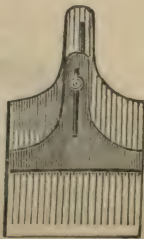


Fig. 32.



Fig. 33.

Fig. 34.

	s.	d.			
LEVELLING STANDS with three			cleaned, for all sizes up to		
adjusting screws, <i>fig.</i> 30	3	6	6½ in. × 4½ inches	4	6
Ditto for large size	4	6	Ditto for plates up to 10 × 8		
Balancing stands, <i>fig.</i> 31, for			inches	5	6
plates up to ½ size	5	0	PNEUMATIC Plate Holders, <i>fig.</i>		
Ditto, large size, for plates 9 × 7			33, for developing, fixing, &c.	1	6
inches	8	0	LEVER Pneumatic Holders,		
PLATE HOLDERS, <i>fig.</i> 32, to			<i>fig.</i> 34.	2	6
hold the plate whilst being			Ditto, large size	3	6

STILLS AND FILTERS.

MODEL STILL, consisting of a copper retort to hold one quart, with argand lamp, and japanned worm tub, fit for use in any apartment, *fig.* 35, 42/.

STILL for placing over a common fire, the retort of copper to hold one gallon, 42/.

Ditto ditto two gallons, 55/.

Still, with tin retort, to hold one gallon, 16/.

Ditto two gallons, 23/.

Stone filter, to filter one gallon, with porcelain tap, 10/6.



Fig. 35.

STEREOSCOPES.

	£	s.	d.
LENTICULAR Stereoscope, made of mahogany, with prismatic lenses	0	3	0
Made with hinged top for cleaning the glasses, and door on which is fixed a reflector for throwing light on the picture	0	6	0
Best quality mahogany	0	9	6
Walnut wood, with hinged top, door, and reflector	0	9	0
Best quality walnut wood	0	12	6
Zebra wood lenticular stereoscope of the best finish, with spring top, door, and reflector	0	16	0
Achromatic stereoscope, with adjustments similar to an opera or race glass	1	16	0
REFLECTING stereoscope as described by Mr Sutton in the "Photographic Notes," for exhibiting pictures 4 inches square, made of mahogany, with plain (whole) lenses	1	10	0
Ditto, best quality, walnut wood with achromatic lenses	2	12	6

The want of a suitable Stereoscope for exhibiting pictures larger than the common form of instrument will admit, has long been felt; the old form of reflecting stereoscope is difficult to use, and is very bulky and unsightly—the present instrument is extremely light and portable, can easily be held in the hand, and if the pictures are properly mounted, will require no adjustment.

A Camera especially suited for obtaining these views will be found described at page 10.

MISCELLANEOUS APPARATUS.



Fig. 36.



Fig. 37.



Fig. 38.



Fig. 39.



Fig. 40.



Fig. 41.

	s.	d.		s.	d.
ALBUMEN filters, <i>fig. 36</i> , 3/. large	5	0	yellow glass shades; these		
BATH Tester for ascertaining the			should always be used when		
quantity of silver in solution,			it is requisite to employ		
<i>fig. 37</i> , including case ...	3	6	artificial light for developing,		
BRUSHES for coating paper ...	0	4	&c. ...	3	6
„ flat camel's hair, 10d....	1	3	PINS for suspending paper, per box	1	0
DIAMONDS, glaziers', best, (<i>Ellis</i>)	15	0	PREPARING BOARDS for paper		
„ writing, 4/6, best ...	7	6	process, 9×7 inches ...	2	6
FOCUSsing glasses, consisting of			„ 7×6 inches ...	2	0
a combination of lenses, by			SILVER WIRE for corners of		
which means the image is			dark slides, per foot ...	1	6
shown erect on the ground			„ Hooks for lifting prepared		
glass of the camera, very			plates from bath solution.		
useful for small views or fine			&c., each ...	1	0
engravings, <i>fig. 39</i> ...	8	6	SPECIFIC GRAVITY Bottles, 500		
„ small size, for the pocket,			grains, in case, with counter-		
very high power, but not			poise ...	6	6
erecting, mounted in brass,			SPIRIT LEVELS, 3 inch long ...	3	0
<i>fig. 38</i> ...	3	6	„ circular, ...	3	0
„ japanned tin ...	2	6	STIRRING RODS. each 3d. ...	0	4
Forceps for removing paper from			THERMOMETER for ascertaining		
solutions, boxwood ...	0	4	the temperature of operating		
„ horn ...	1	0	room ...	1	0
GLASS SPIRIT Lamps, with brass			„ best quality ...	2	0
screwed wick holder, <i>fig. 40</i> ,			„ chemical, for testing acids	6	6
1/6, 2/....	3	0	WATER BOTTLE for tourists ...	5	0
JET BLACK Paper for mounting			WOOD CLIPS, with springs, for		
glass Positives, per sheet ...	0	2	suspending paper, per doz. ...	1	0
PESTLES AND MORTARS, glass,			YELLOW and black calico, per		
<i>fig. 41</i> , 1 oz. 1/3, 2 oz. 1/8,			yard ...	0	4
4 oz. ...	2	6	YELLOW GLASS for dark room,		
Photographic Lantern, with			per square foot ...	1	6

PHOTOGRAPHIC PAPERS.

PLAIN PAPER.

	£	s.	d.
CANSON'S Positive, 22½ × 17 inches, per quire ...	0	3	0
Ditto Negative, ditto ...	0	2	9
HOLLINGSWORTH'S Paper, thin, for developed printing, and salting, or for the calotype or waxed paper process, 23 × 17½ inches, per quire ...	0	3	6
Ditto, per ream ...	3	0	0
PAPIER RIVE, per quire ...	0	3	0
PAPIER SAXE, imported by F. J. Cox direct from the German manufacturer, Positive 23 × 17 inches, per quire ...	0	3	9
Ditto, per ream ...	3	3	0
TURNER'S Positive Paper, 19 × 15 inches, per quire ...	0	3	0
Ditto, Negative, ditto ...	0	5	6
BIBULOUS Paper, perfectly pure, per quire ...	0	1	6
FILTERING, in packets of 100 sheets, 6 in diam. ...	0	0	9
Ditto, 7 in diam. ...	0	1	0
Ditto, 10 in diam. ...	0	1	3
Ditto, 15 in diam. ...	0	1	8

ALBUMENIZED PAPER.*

PAPIER SAXE, thick, 23 × 17 inches, slightly albumenized, per quire ...	0	10	0
---	---	----	---

	£	s.	d.
PAPIER RIVE, recommended as a good paper for general use, per quire, 23 × 17 in.	0	9	6
Ditto, per dozen sheets ...	0	5	0
Ditto, per sheet ...	0	0	6
CANSON'S thin paper, highly albumenized, for Stereoscopic pictures, this is most generally used, and can be well recommended, 22½ × 17 inches, per ream	10	10	0
Ditto, per quire ...	0	12	0
Ditto, per dozen sheets ...	0	6	6
Ditto, per sheet ...	0	0	8

SALTED PAPER.

MEZZOTINT Salted Paper for the production of artistic Photographs of buildings or views, with directions for use, 22½ × 17 inches, per quire ...	0	5	6
Ditto, per dozen sheets ...	0	3	0
Ditto, per sheet ...	0	0	4

IODIZED, WAXED, & CALOTYPE PAPER.

CALOTYPE Iodized Paper, 18 × 11, per quire ...	0	12	0
Ditto, 11 × 9, ditto ...	0	6	6
WAXED and Iodized, 18 × 11, per doz. ...	0	7	6
Ditto, per sheet ...	0	0	9

JEWELLERY.

	£	s.	d.
Brooches, revolving, for two pictures or hair device, Mosaic gold, each 1s. 6d., 2s. 6d. ...	0	3	0
Ditto, gold plated for portraits, each 2s. ...	0	2	6
Ditto, double plated, very lasting, in many various patterns, revolving, 3s. 6d., 4s. 6d., 5s. 6d., 7s., ...	0	10	0
Ditto, solid gold revolving brooches of the best quality. £2 to ...	2	10	0
Locket, single, oval, or round. 2s., 2s. 6d., 3s. 6d., 4s. 6d., ...	0	5	6
Ditto, small spring catch ...	0	5	6
Bracelets, hair, 4s. 6d., 6s., 8s., ...	0	10	0

ALL THE NEWEST PATTERNS KEPT IN STOCK.

* These Papers are suitable for the old method of toning (hypo-sulphite of soda and chloride of gold,) or for the alkaline gold process as recommended in the "COMPENDIUM OF PHOTOGRAPHY," 5th edition.

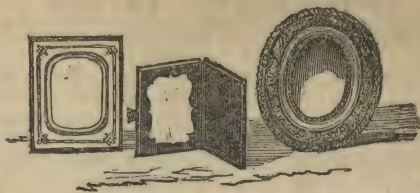


Fig. 42.

Fig. 43.

Fig. 44.

PASSE-PARTOUS.

	Per Dozen. All Shapes same price.	2½ in. by 2 in.	3½ in. by 2½ in.	4½ in. by 3½ in.	5 in. by 4 in.	Half.	Whole.
		s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
1	Black ground, white or buff bevil, gold line	1 3	1 9	2 3	4 0	5 6	7 6
2	White ground, gold or buff bevil, and black line	1 5	2 0	2 6	4 6	6 6	10 0
3	White enamel ground, gold bevil and line, two black lines and fillet	2 0	2 9	3 3	5 6	7 6	13 0
4	Dull gold ground, with burnished line... ..	5 0	6 0	7 0	11 6	16 0	31 0
5	Black ground, porcelain bevil	2 6	3 0	3 6	6 0	7 6	14 0
6	White ground, with broad gold bevil (<i>new pattern</i>) oval or cushion openings	5 0	6 0	7 0	10 6	15 0	20 0
7	Preserver Passe-partout, drab ground with a metal preserver frame round it, and suspension ring	3 6	4 6	6 6			
FOR PAPER PHOTOGRAPHS.							
8	Rough white card board, with large margins	2 6	3 6	4 3	5 9	8 0	10 6
9	Tinted card, with white inner circle (<i>new pattern</i>) oval or cushion	6 0	6 6	9 0	12 6	18 0	22 0
10	Best quality, white artistic ground, gold bevil			9 0	10 6	16 0	24 0
RICH FANCY PASSE-PARTOUS.							
11	Superior white or black, gold line, extra ornamented	5 3	6 0	7 6	12 0	14 6	26 0
12	White ground, gold bevil, fluted gold line, oval openings	6 6	8 0	9 6	14 0	17 6	30 6
13	Black ground, gold fluted line, and gold flower corners, oval openings... ..	9 0	10 0	11 0	18 6	24 0	44 0
14	Gold ground, colored flower corners, oval openings	10 0	11 6	12 6	18 6	27 0	36 0
15	White ground, gold and blue lines, oval and cushion openings	11 6	12 6	14 6	21 0	28 0	54 0

Rough Card for 10 by 8 pictures, large margin, 16/. per doz
Ditto extra large margin 22/. „

MINIATURE CASES, TRAYS, &c.

Per Dozen.					2½ in. by 2 in.	3½ in. by 2½ in.	4½ in. by 3½ in.	5 in. by 4 in.	Half.			
ENGLISH CASES.					s. d.	s. d.	s. d.	s. d.	s. d.			
All fitted complete with mats and glasses.												
1	CASES, lined with embossed velvet, gilt mats, and glasses	...	...	...	2	3	3	10	6	6	13	0
2	Ditto, gilt edges...	...	...	...	2	6	4	3	7	0	14	0
3	Cotton velvet, gilt edges, plain leather outside, superior quality	...	...	...	3	0	5	0	8	6		
4	Ditto, silk velvet, gilt edges	...	...	...	4	6	7	0	10	0	20	0
5	Ditto, best quality, plain silk velvet, American mats	...	...	...	6	0	9	6	13	6	24	0
6	Ditto ditto, gilt edges	...	...	...	6	3	10	0	14	6	26	0
7	Book cases, with clasp, silk velvet, gilt edges inside and outside, with American mats	...	...	...	7	6	12	0	16	0		
8	Ditto, plain outside, English mats	...	...	...	6	6	10	0	14	6		
9	DOUBLE cases for two pictures	...	...	...	7	0	11	0	16	0	30	0
10	Best cases, real morocco, spring catch, American mats	...	...	...	15	0	20	0	28	0	40	0
AMERICAN CASES (Without Fittings).												
11	AMERICAN cases, embossed lids, best Silk velvet, gilt inside and outside	...	...	...	8	6	10	9	17	6		
12	Ditto, best leather, real morocco, with raised embossed bands, gilt clasps	...	...	...	12	0	16	0	24	0		
13	UNION square cases, with spring catch (best) each...	...	...	...	1	6	1	10	3	0		
14	Ditto, the half-dozen	...	...	...	8	6	10	6	17	0		
15	Ditto, octagon shape, fitted complete, each...	...	...	...	2	0	2	6				
16	CUPID Pocket book cases, very neat and thin, each	...	...	...	1	4	2	0				
TRAYS.												
17	With rings, gilt edges, not fitted, in 3-doz. packets	...	...	...	1	9	2	8				
18	Ditto, fitted with rings, gilt edges, mats, and glasses, per gross	...	...	...	11	6	17	0	32	0		
19	Ditto, per dozen	...	...	...	1	0	1	6	2	9	6	0
20	Ditto, best leather, silk velvet, American mats...	...	...	...	2	8	4	3	6	9	12	0
21	Union trays, made of the same material as the cases, empty	...	...	...	7	6	10	0	13	0		

** For the convenience of our country friends, a sample of the English cases, 3½ × 2½ inches, Nos. 1 to 10, will be forwarded on receipt of 8s.

MATS, PRESERVERS, & FRAMES.

When these articles are quoted at per gross, smaller quantities cannot be supplied at that rate.

		2½ in. by 2 in.	3½ in. by 2½ in.	4½ in. by 3½ in.	5 in. by 4 in.	6½ in. by 4½ in.	8 in. by 6½ in.
		s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
MATS.							
1	Gilt Mats, oval, cushion, or dome shape, per gross ...	2 9	3 10	6 6	21 0		
2	Ditto, per doz. ...	0 3	0 4	0 7	2 0	3 0	
3	Best Plain <i>Frosted</i> Mats, per dozen ...	1 3	2 0	3 0	4 6	6 0	16 0
4	American thin stamped mats, a great variety of ornamental designs, per doz.	0 7	0 10	1 8			
5	American mats, with small beads round the opening, per dozen ...	0 10	1 4	2 0	3 0	4 6	24 0
6	Thick American mats, with stamped figures, or corded lines, round the opening, per dozen ...	2 0	3 0	4 9			
7	German Mats, elegantly chased ...	2 6	5 0	6 6			
PRESERVERS:							
8	PRESERVERS, for binding the mat and glass, per gross ...	2 9	3 10	6 6	16 0		
9	Ditto, per dozen ...	0 3	0 4	0 7	1 6		
10	Best American Preservers, of very superior quality, per gross ...	6 9	8 0	16 0	22 0	40 0	
11	Ditto, per dozen ...	0 8	0 9	1 6	2 0	3 6	12 0
FRAMES.							
12	Romaleian Frames for pictures, without mats or glasses, per dozen ...	2 9	4 6	6 6	10 6		
13	Gilt Ormolu, per dozen ...	3 6	6 6	8 6			

FRAMES FOR PASSE-PARTOUS.

	Per Dozen.	2½ in. by 2 in.	3¼ in. by 2½ in.	4½ in. by 3¼ in.	5 in. by 4 in.	Half.	Whole	Extra.
		s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
1	Imitation Rosewood or Oak Frames, Renaissance pattern	2 10	3 6	3 9	4 6	6 0	9 6	14 0
2	Square gilt moulding Frames (<i>new pattern</i>) ...	8 6	9 6	11 0	12 6			
3	Square gilt frames, with flower ornaments, each ...	1 8	1 6	1 10	2 6	3 3	4 0	4 9
4	Rustic, old Oak, square ...	9 0	10 0	12 0	16 0	20 0	24 0	
5	Ditto, oval ...	10 6	12 0	13 0	18 0	23 0	32 0	
6	GERMAN STONE PASTE frames, all brown ...	8 0	8 6	9 0	12 6	14 6	16 6	
7	Ditto, with gilt mouldings on a brown ground, (very superior) each ...	1 6	1 8	2 0	2 6			
8	Ditto, oval, silver bronze, each ...	2 0	2 6	2 9	3 0	4 0	5 0	6 6
9	Ditto, gold, each ...	2 3	2 9	3 0	3 6	4 6	5 6	
10	Oval black polished frame, very neat, gilt rim, per dozen ...			20 0	22 0	26 0		

SMALL (1-16) AND WHOLE PLATE CASES.

ALL FITTED COMPLETE WITH MATS, GLASSES, AND PRESERVERS.

	s.	d.
Cases 1-16 size $1\frac{1}{8} \times 1\frac{3}{8}$ inches, with mats, glasses, and preservers, per doz.	6	6
Ditto, with spring catch	12	0
Ditto, pocket book (cupid cases)	18	0
Ditto, horn union, complete, each	1	6
1-16 Mats, American dotted	0	9
" stamped	0	6
1-16 Preservers, best American	0	8
" English	0	6
Whole plate leather cases, best quality, with mats and preservers, each	7	0
" Turkey morocco	9	6
Whole plate union cases, fitted complete, each	14	0
Cases for 4, 1-9 pictures, fitted complete, each	3	6
Ditto, ditto for 6 pictures	5	6

PHOTOGRAPHIC COLOURS,

DRY POWDER COLOURS.

	£	s.	d.
Newman's colours, for tinting collodion and daguerreotype pictures in boxes containing 9 colours, 6 brushes, and gold shell	0	10	6
Ditto, with lock and key, 12 colours and two shells	1	0	0
" " 18	1	5	0
" " 24	1	10	0
" " 36	2	0	0

Black	Complexion 1, 2, 3	Horizon	Plum	White (Satin)
Blue 1, 2, 3.	Damask	Lavender	Puce	Violet
Brown 1, 2, 3	Distance	Lips	Rose	Yellow 1, 2, 3
Carmine	Flesh 1, 2, 3, 4	Orange	Scarlet	Yellow (golden)
Carnation	Green 1, 2, 3, 4	Peach	Solarization	
Claret	Grey 1, 2, 3	Pink	White	

Single colours in small bottles, 1s., or the half dozen, 5s.

The above colours may be had of an inferior quality at 6d. each, or in boxes containing six colours and brushes, gold and silver shells, 5/.

WATER COLOURS FOR PAPER PHOTOGRAPHS.

	s.	d.	s.	d.
Sliding top boxes, 12 colours & brushes	7	0	9	0
" 18	10	6	13	0
" 24	14	0	18	0
Boxes with lock, 12	10	6	12	6
" 18	14	0	18	0
" 24	18	0	25	0

Cakes of colours from 6d. to 1s. each. The higher prices in the second column are caused by more expensive. but necessary colours and brushes.

	per doz.	1s. 6d. to	0	2	0
Camel hair brushes	0	4	0
Sable	0	4	0
Dusting	0	4	0
Gold and silver shells or cups	0	4	0
Elastic bottle, for removing superfluous colour, each	0	1	4

Newman's coloring varnish, 1/6 and 3/. per bottle.

„ penetrating varnish for non-inverted positives, per bottle, 1/6 and 3/.

Newman's preparation for sizing, salted, or albumenized paper, per bottle, 1/ and 1/6,

Alabastrine varnish, 2 oz. bottles, 1/. This varnish is suited for ordinary positives as well as alabastrine pictures, and gives a surface well adapted for colouring,

GLASS PLATES.

	Common Crown.		Best Flatted Crown.		Best Selected Patent Plate.		Opal glass.		Purple glass.	
	Per gross.	s. d.	Per doz.	s. d.	Per gross.	s. d.	Per doz.	s. d.	Per doz.	s. d.
2½ × 2 inches	...	0 10	...	0 2	...	1 9	...	0 9	...	1 4
3½ × 2¾ „	...	1 6	...	0 4	...	3 0	...	1 2	...	2 3
4 × 3 „	...	2 6	...	0 6	...	5 0	...	1 7	...	3 9
4½ × 3½ „	...	2 6	...	0 6	...	5 0	...	1 9	...	1 4
5½ × 3½ „	0 10	...	7 6	...	2 3		
5 × 4 „	0 10	...	7 6	...	2 6		
6½ × 3½ „	1 0	...	10 6	...	2 11		
6 × 5 „	1 4	...	13 0	...	3 11		
6½ × 4½ „	1 4	...	13 0	...	3 11		
9 × 4½ „		6 0			
8½ × 6½ „	2 6	...	28 0	...	7 0		
9 × 7 „		8 0			
10 × 8 „		12 0			
12 × 10 „		20 0			

The common crown glass is sent out in its uncleaned state, and F. J. C. does not hold himself in any way responsible for its quality. The opal glass is an excellent medium on which to print transparencies for the stereoscope.

METAL PLATES, TALC, &c:

Per dozen.	Niello		Mica.		Metal		Transfer		American	
	Paper.				Plates.		Cloth.		Muslin.	
	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
2½×2 inches	1	9	.....	1 0	.....	0 10	.....	0 3	.....	1 0
3½×2¾ „	2	3	.....	2 0	.....	1 6	.....	0 6	.....	1 9
4½×3½ „	3	3	.....		.....	2 3	.....	0 9	.....	3 0

Many articles have been brought into notice for positive pictures in the place of glass for the purpose of mounting in brooches, locketts, &c: they all possess some important peculiarities; the best for the purpose that has been introduced is the NIELLO PAPER: it is perfectly harmless to any silver bath, and is of a uniform even surface; it, moreover, can be cut with a pair of scissors without fear of chipping the edge of the picture.

MICA is sometimes used on account of its cheapness, but the imperfections of its surface renders it a poor substitute for glass, it however, will do extremely well for small photographs if in the hands of a skilful operator.

The IRON TABLETS are the cheapest articles, and require no particular care in their manipulation, but the surface is not so fine as the Niello paper.

TRANSFER CLOTH and AMERICAN MUSLIN are employed for transfer pictures, the latter article has a superior surface to the cloth, and is recommended (see the "Compendium of Photography," 5th edition).

STEREOSCOPIC MOUNTS.

								s.	d.
Passe-Partous Plain, per doz.	...	...	...	...	...	...	...	2	3
Ditto, gold fillet	...	...	...	...	...	...	...	2	9
Gold ground and black borders, per doz.	...	...	...	...	...	...	...	6	0
Card mounts, drab tint, per doz.	...	...	...	...	...	...	...	0	6
Ditto, per gross.	...	...	...	...	...	...	...	4	0
Best enamel	...	...	...	...	...	...	...	4	6
Ditto per doz.	...	...	...	...	...	...	...	0	6
Perforated cards with embossed edges, for mounting transparencies	...	...	...	...	...	...	...	12	6

PREPARED SENSITIVE PLATES.

Per dozen.	Oxymel.	Collodio-Albumen.	Hill Norris' Dry Plates.	Fothergill's Process.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
4½ × 3½ inches.....	0 4 0	0 5 0	0 5 0	0 4 6
5 × 4 ".....	0 5 0	0 6 3	0 6 8	0 5 6
6½ × 4½ ".....	0 7 4	0 9 0	0 10 0	0 8 0
8 × 6 ".....	0 12 6	0 15 0	0 16 0	0 14 0
8½ × 6½ ".....	0 13 4	0 17 0	0 18 0	0 15 6
9 × 7 ".....	0 17 0	1 1 0	1 1 0	0 19 0
10 × 8 ".....	1 3 0	1 10 0	1 6 8	1 6 0
12 × 10 ".....	1 13 6	2 2 0	2 0 0	1 16 0
Stereoscopic	0 5 6	0 7 0	0 8 9	0 6 0

These plates are all ready for exposure in the camera, and are carefully packed in light tight cases if plate boxes are required for them, see page 13 ; Collodio-albumen plates, not sensitized for exportation, same price as Fothergill's plates.

ADAMANTINE FILES. for removing the sharp edges of glass plates ; small, 8d. ; medium, 1s. ; large, 1s. 3d. each.

MOUNTING BOARDS.

Stout, white or tinted cardboards, for mounting paper photographs, s. d.
 22 × 17 inches, per dozen. 6 0
 Ditto, 18 × 14 inches " 4 6
 Perforated with openings for show frames, any size to order, either with or without glass.

PURE CHEMICALS AND PHOTOGRAPHIC PREPARATIONS.

F. J. Cox gives especial attention to this department, and can speak positively to these Chemicals as being perfectly free from impurities, and of uniform strength and character.

	per oz. per lb.					per oz. per lb.			
	s.	d.	s.	d.		s.	d.	s.	d.
Acid, acetic ...	0	2	1	6	Ether, sulphuric 750	0	6	6	0
„ „ glacial ...	0	5	5	0	„ absolute ...	0	8	7	6
„ „ „ solid at 50°	0	9	7	6	„ methylated	0	3	3	0
„ benzoic ...	2	0			„ pyroligneous for				
„ citric ...	0	6	5	0	burning, per pint 1/6				
„ formic ...	0	4	5	6	Fixing solution for positives				
„ gallic ...	1	0	14	0	per pint 6d.				
„ hydrochloric ...	0	3	1	0	Gelatine, pure	0	6	5	0
„ nitric, 1.450 ...	0	2	1	3	Glycerine	0	6	4	6
„ „ 1.500 ...	0	3	2	6	Gold, chloride, in 1/2 drachm				
„ pyrogallie, per dr. 10d.	5	0	70	0	bottles 2s. 6d.				
„ sulphuric, common		0	2		„ in 1 drachm bottle 8/6				
„ „ pure	0	2	1	0	„ salt of sel d'or „ 3s.				
„ succenic ...	4	0			„ solution for toning bath	0	9		
„ tannic ...	1	6	16	0	Gun cotton, for making col-				
Alabastrine solution, for					lodion	2	0	24	0
whitening positives, per					„ paper...	3	6	42	0
bottle 4 oz. 1/.					Iodine, pure re-sublimed	2	0	28	0
Albumen, iodized, 4 oz. bot-					„ tincture	0	4		
tle 1/6					Iron, pro-sulphate pure	0	1	0	8
Alcohol	0	3	4	0	„ iodide, per bottle 1s...	2	0		
„ absolute...	0	6	6	0	Kaolin, pure washed	0	3	2	6
Ammonia, pure	0	2	1	0	Lead, acetate	0	3	3	0
„ hydro-sulphide...	0	6	4	6	„ nitrate	0	4	3	6
„ muriate ...	0	2	1	9	Lime, bromide	1	6		
Ammonium, bromide	3	0	36	0	Litmus paper, book 2d.				
„ iodide...	2	6	30	0	Magnesia, nitrate	0	6	5	6
Barium, chloride	0	2	1	9	Mercury	0	3	2	6
„ iodide	3	6	40	0	„ bi-chloride	0	6	5	0
Baryta, nitrate pure	0	2	1	9	Oxymel, pint in bottle 2s...				
Benzole, pure	0	3	2	9	Palladium, chloride solution	2	6		
Cadmium, bromide	2	6	30	0	Potass, bichromate...	0	2	2	0
„ chloride...	2	6	30	0	„ nitrate, pure	0	2	1	9
„ iodide	2	6	30	0	„ powdered	0	1	0	10
Calcium, bromide	3	0	36	0	Potassium bromide	1	6	20	0
Charcoal, animal, pure	0	3	2	9	„ cyanide	0	3	3	9
Chloroform	0	10	8	6	„ ferrocyanite	0	3	3	6
Collodion, Fisher's negative	0	9	10	0	„ ferridcyanide	0	4	4	0
„ Fisher's positive...	0	8	9	0	„ fluoide	2	6		
„ expressly for the					„ iodide	1	6	20	0
dry process	0	9	10	0	Silver, ammoniacal nitrate	1	0		
Cotton wool...	0	3	3	0	„ iodide	7	0		
Developing solution for po-					„ double iodide for				
sitives, per pint 9d.					paper	1	6		
Ditto for negatives, pint 1/6					„ nitrate, crystal-				
Ditto for dry process „ 1/6					ized, pure, (see wrapper)	4	0	57	4
Dextrine for mounting paper					„ re-crystalized and				
pictures	0	2	2	0	fused for negative bath	4	6	63	4

	per oz. per lb.					per oz. per lb.			
	s.	d.	s.	d.		s.	d.	s.	d.
Silver bath, ready for use, per pint ...	0	5			Varnish, alabastrine, per bottle 1s. ...				
" bath for negatives ...	0	5			" amber in chloroform ...	1	0	10	6
" bath, acetic for dry process ...	0	6			" crystal in 3 oz. bot. 1/...	0	4	4	6
Soda hypo-sulphite... ..	0	1	0	8	" jet, warranted not to crack, 6d. and 1s. bottle				
" acetate	0	4	4	0	" Bate's black, 6d. bot.				
" carbonate	0	2	1	9	" American, ... 1/6 bot.				
Sodium, chloride	0	2	2	0	" French spirit 1/6 bot.			5	6
Sugar of milk	0	3	3	0	Water, distilled, gallon 6d.				
Tripoli, prepared for glass plates	0	3	2	6	White wax	0	3	3	0
Uranium, nitrate	2	0			Zinc, nitrate... ..	0	6	5	6
					" chloride	0	6	5	0

Where the price is quoted at per lb. a smaller quantity cannot be supplied at the same rate, these prices having been calculated on that condition, for the accomodation of large consumers only.

STOPPERED BOTTLES FOR CHEMICALS.

	White glass. Narrow mouth.			White glass. Wide mouth.			Green glass. Narrow mouth.			Green glass. Wide mouth.	
	s.	d.		s.	d.		s.	d.		s.	d.
Half Ounce	0	4	.....	0	4						
One Ounce	0	4	.....	0	5						
Two Ounce	0	6	.....	0	7						
Four Ounce	0	6	.....	0	8						
Five Ounce	0	6	.....	0	10	.....	0	6	.....	0	6
Ten Ounce	0	9	.....	1	0	.....	0	6	.....	0	6
Twenty Ounce.....	1	0	.....	1	6	.....	0	6	.....	0	8
Forty Ounce.....	2	0	.....	2	6	.....	0	9	.....	0	10
Plain bottles for corks, 1 or 2 oz., each ...						...	...	...		0	1
" " 4 to 6 ozs., each						...	...	...		0	2
" " 10 to 20 ozs., each						...	...	...		0	3

Half price allowed for returned bottles if sound, and bearing their original labels.

ALABASTRINE SOLUTION AND VARNISH.

These preparations are carefully prepared, and can be recommended as producing the Alabastrine effect on a collodion positive without the aid of artificial heat. The Varnish is admirably adapted both for these pictures or any positive which is intended to be colored afterwards. Toning Solution, 4 oz. bottle 1s., Varnish, 2 oz. bottle 1s.; with directions for use.

FISHER'S LIPASKATHAIRON or GLASS POLISH,

for instantly cleaning glass without the aid of water. It is strongly recommended, being entirely free from acid, and guaranteed to contain nothing injurious to the most sensitive bath. Price 6d. per bottle, sufficient for 100 plates, with directions. Its use saves one half the labour, and with an absolute certainty of a clear plate.

Just ready, **FIFTH EDITION**, price 6d., Post free, 7d.

A COMPENDIUM OF PHOTOGRAPHY,

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Stereoscopic Portraits	

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